

This listing of claims will replace all prior versions and listings of claims in the application.

Claim Listing:

1. (currently amended) ~~A white appearing~~ An aircraft position light comprising:
a support comprising adjacent, substantially planar surfaces defining a reentrant angle, said support defining an interior angle between said planar surfaces, measured within said support, greater than 180°;
a plurality of LEDs mounted to each said planar surface ~~the support, said LEDs consisting essentially of cyan LEDs and amber LEDs, said LEDs selected to produce light flux in a ratio of approximately three amber flux units for every one cyan flux unit;~~ and
a circuit for energizing said LEDs,
wherein said LEDs produce ~~a composite~~ light when energized in a pattern subtending an obtuse angle centered on a line bisecting said reentrant angle, ~~said composite light appearing white but including little or no light having a wavelength above 600nm.~~
2. (currently amended) The position light of claim 1, wherein said interior angle is approximately 270° ~~support comprises two substantially planar surfaces adjacent to each other along one edge, said surfaces defining an angle of approximately 90° between them.~~
3. (currently amended) The position light of claim 1, wherein said reentrant angle ~~support~~ is bisected by a plane and said support is substantially symmetrical on either side of said plane, ~~said support comprising a substantially planar surface adjacent either side of said plane said support surfaces defining an angle of approximately 90° between them, said angle being bisected by said plane.~~

4. (currently amended) The position light of claim 1, comprising a plurality of thermally transmissive PC boards, each PC board including a intermediate each said plurality of LEDs in the ratio of two amber LEDs for every one cyan LED and each said support surface.

5. (canceled)

6. (canceled)

7. (currently amended) The position light of claim ~~6~~ 1, wherein said obtuse angle is approximately composite light is visible at an intensity of at least 20 candela over an are of 140° in a horizontal plane, said are centered on a line bisecting said included angle.

8. (currently amended) An aircraft position light comprising:
two substantially planar elongate at least one PC board boards;
a ~~plurality~~ linear array of LEDs mounted to each said PC board, each said LED having an optical axis, the optical axes of each said linear array collectively defining a direction of light transmission for each linear array ~~said plurality of LEDs comprising cyan LEDs and amber LEDs; and~~
a circuit for simultaneously energizing said ~~plurality of~~ LEDs,
wherein said ~~plurality of~~ LEDs ~~are selected to produce a composite light when energized, said PC boards supported so that said linear arrays are substantially parallel and the direction of light transmission of said linear arrays intersect at an angle of approximately 90° composite light having a chromaticity center tolerance of approximately X=0.418 and Y=0.397, said composite light having a white hue.~~

9. (currently amended) The aircraft position light of claim 8, comprising a thermally conductive support to which said PC boards are secured ~~wherein each said LED has an~~

~~average radiometric power and said LEDs are selected so that the radiometric power of said amber LEDs is approximately three times the radiometric power of said cyan LEDs.~~

10. (currently amended) The aircraft position light of claim ~~8~~ 9, wherein said PC boards are thermally conductive and provide a thermal pathway from said LEDs to said support ~~each said LED radiates a luminous flux when energized, and said LEDs are selected so that the luminous flux produced by said amber LEDs is approximately three times the luminous flux produced by said cyan LEDs.~~

11. (canceled)

12. (canceled)

13. The aircraft position light of claim ~~12~~ 8, wherein the plurality of LEDs mounted to said first PC board is substantially identical to the plurality of LEDs mounted to said second PC board.

14. (canceled)

15. (currently amended) The aircraft position light of claim 8, wherein each ~~at least one~~ said PC board ~~comprises a plurality of thermally transmissive substantially planar PC boards~~ board and said position light comprises:

a thermally conductive support ~~for said PC boards~~, said support having a substantially planar surface for each of said PC boards, said planar surfaces adjoining along one edge to define an included angle between said planar surfaces.

16. (currently amended) The aircraft position light of claim 15, wherein said LEDs have a viewing angle and said viewing angle and said included angle result in a light

radiation pattern from the position light extending over an arc of 140° in a ~~horizontal~~
first plane perpendicular to a second plane bisecting said position light included angle.

17. (canceled)

18. (canceled)

19. (canceled)

20. (canceled)

21. (new) An aircraft position light comprising:

a support defining two substantially planar surfaces adjacent to each other along one edge, said surfaces defining an included angle of less than 180° ;

a substantially planar, thermally conductive PC board mounted in thermally conductive relationship to each said planar surface,

a plurality of LEDs mounted to each said PC board, each said LED having an optical axis, the optical axes of said plurality of LEDs collectively defining a direction of light transmission for each said plurality of LEDs;

wherein the direction of light transmission of one said plurality of LEDs intersect the direction of light transmission of the other said plurality of LEDs.

22. (new) The aircraft position light of claim 21, wherein said included angle is 90° .

23. (new) The aircraft position light of claim 21, wherein said support is thermally conductive and said PC boards provide a thermal pathway between said LEDs and said support.

24. (new) The aircraft position light of claim 21, the direction of light transmission of one said plurality of LEDs intersect the direction of light transmission of the other said plurality of LEDs at an angle of approximately 90°.

25. (new) The aircraft position light of claim 21, wherein said LEDs have a viewing angle and said viewing angle and said included angle result in a light radiation pattern from the position light extending over an arc of approximately 140° in a first plane perpendicular to a second plane bisecting said included angle.

26. (new) The aircraft position light of claim 21, wherein said PC boards extend in a longitudinal direction and said support comprises a projection extending from a laterally outward edge of each said planar surface, said projection configured to block light from said LEDs, thereby providing an angular limit to a light radiation pattern produced by said position light in a plane perpendicular to said projections.

27. (new) The aircraft position light of claim 26, wherein said light radiation pattern subtends an arc of approximately 140° between said projections.